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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No: CECTC/NCC/QC/2020-21

Date: 06.03.2021

TEST REPORT ON CONCRETE CUBES

Client : Bruhath Bangaluru Mahanagara Palike
Agency : NCC Limitted
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arasna Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.02.2021	06.03.2021	8.126	362.5	16.11
2	27.02.2021	06.03.2021	8.147	352.6	15.67
3	27.02.2021	06.03.2021	8.156	336.2	14.94

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.

Assistant Executive Engineer
Project Division
Dasarahalli Zone
BBMP - 92

Reviewed

For CIVIL EXPERTS
Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
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Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2020-21

Date: 10.03.2021

TEST REPORT ON CONCRETE CUBES.

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{50}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.03.2021	10.03.2021	8.147	336.5	14.96
2	03.03.2021	10.03.2021	8.163	342.3	15.21
3	03.03.2021	10.03.2021	8.185	346.8	15.41

Note:
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Asst. EE

Executive Engineer
Project Division
Yelahanka Zone - 02
BBMP

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

Reviewed

For CIVIL EXPERTS

Authorised Signature

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Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2020-21

Date: 31.03.2021

TEST REPORT ON CONCRETE CUBES

Client	: **Brahath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: *Whitetopping Yelahanka from Sheshadripuram First Grade College To Aroma Bakery Junction*
Location	: *Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00*
Sample ID	: *Cement Concrete*
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 *(Reaffirmed 2018)*
Grade of Concrete	: M_{50}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.03.2021	31.03.2021	8.226	475.3	21.12
2	03.03.2021	31.03.2021	8.274	502.3	22.32
3	03.03.2021	31.03.2021	8.296	534.2	23.74

Note:
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Assistant Engineer Division-10 Yelahanka Zone Bangalore - 92

Sarvesh Engineering Consultants Bengaluru

Reviewed

For CIVIL EXPERTS

Authorised Signature

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Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 11.03.2021

Job No.: CECTC/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.03.2021	11.03.2021	8.206	362.3	16.10
2	04.03.2021	11.03.2021	8.225	336.5	14.96
3	04.03.2021	11.03.2021	8.263	318.6	14.16

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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

NCC LIMITED
Support Engineering Consultancy Pvt. Ltd.
Bengaluru

Reviewed

For CIVIL EXPERTS
Authorised Signature

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Job No: CECTC/NCC/QC/2020-21

Date: 01.04.2021

TEST REPORT ON CONCRETE CUBES

Client	: **Brohath Bangaluru Mahanagara Palike**
Agency	: **NCC Limitted**
Name of the work	: Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location	: Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.03.2021	01.04.2021	8.206	456.3	20.28
2	04.03.2021	01.04.2021	8.214	521.8	23.19
3	04.03.2021	01.04.2021	8.214	508.9	22.62

Note:
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Asst. AE

Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

Infra Support Engineering Consultants Pvt. Ltd. Bangaluru

Reviewed

For CIVIL EXPERTS

Authorised Signature

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Highway | Building Material Testing | Structural Strengthening Solution
Quality Control | Assessment | Audit | Fresh Concrete | Structural Design & Drawing
Soil Stabilization and Testing Services | Non - Destructive Testing

Job No: CECTC/NGCL/Pgl./2020-21 Date: 14.03.2021

TEST REPORT ON CONCRETE CUBES

Client : Bruhath Bangalore Mahanagara Palike
Agency : NGC Limited
Name of the work : Whitetopping Taliabatika from Sheshadripuram First Cross Colleg To Aeona Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mm*150mm*150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{30}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.03.2021	14.03.2021	8.158	365.3	16.24
2	07.03.2021	14.03.2021	8.147	341.5	15.18
3	07.03.2021	14.03.2021	8.169	325.6	14.47

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Executive Engineer
Quality Control Division
Bangalore

Reviewed

For CIVIL EXPERTS
Authorised Signatory

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Highway / Building Material Testing | Structural Strengthening Solutions
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Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 04.04.2021

Job No.: CECTC/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{30}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.03.2021	04.04.2021	8.209	521.3	23.17
2	07.03.2021	04.04.2021	8.225	508.3	22.59
3	07.03.2021	04.04.2021	8.285	541.6	24.07

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For CIVIL EXPERTS
Authorised Signature

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru
Reviewed

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Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Job No.: CECTC/NCC/QC/2020-21

Date: 21.04.2021

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2021	21.04.2021	8.174	336.5	14.96
2	14.03.2021	21.04.2021	8.156	358.3	15.92
3	14.03.2021	21.04.2021	8.148	364.8	16.21

Note:
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Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore

For CIVIL EXPERTS
Authorised Signature

Infra Supports Engineering Consultants Pvt. Ltd. Bengaluru

Reviewed

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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 27.03.2021

Job No.: CE/CTC/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.03.2021	27.03.2021	8.136	369.6	16.43
2	20.03.2021	27.03.2021	8.152	332.5	14.78
3	20.03.2021	27.03.2021	8.147	347.5	15.44

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Engineer
Bengaluru - 92
Bengaluru
Reviewed

For CIVIL EXPERTS
Authorised Signature

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Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 17.04.2021

Job No.: CECTC/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.03.2021	17.04.2021	8.215	456.3	20.28
2	20.03.2021	17.04.2021	8.263	485.6	21.58
3	20.03.2021	17.04.2021	8.247	502.3	22.32

Note:
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ASST. Executive Engineer, Project Division, BBMP, Yelahanka Zone, Bengaluru

For CIVIL EXPERTS
Authorised Signature

Reviewed

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Highway / Building Material Testing | Structural Strengthening Solutions
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Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 04.04.2021

Job No: CECTC/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.03.2021	04.04.2021	8.147	352.6	15.67
2	28.03.2021	04.04.2021	8.169	339.5	15.09
3	28.03.2021	04.04.2021	8.154	325.6	14.47

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Assistant Executive Engineer Project Division Yelahanka Zone Bangalore - 92

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

Reviewed

For CIVIL EXPERTS

Authorised Signature

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Soil Stabilization and Blasting Services | Non - Destructive Testing

Date: 25/04/2021

Job No: CIVIL/NCC/QC/2020-21

TEST REPORT ON CONCRETE CUBES

Client	: **Bruhath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: Whitetopping Yelahanka from Sheshadripuram First Grade College To Aruna Bakery Junction
Location	: Chandra Café to Kanti Sweets- LHS & RHS Ch0.00 to 450.00
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete	: M30
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.03.2021	25.04.2021	8.263	521.3	23.17
2	28.03.2021	25.04.2021	8.247	496.3	22.06
3	28.03.2021	25.04.2021	8.296	536.5	23.84

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For CIVIL EXPERTS

Authorised Signature

Received

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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 03.05.2021

Job No: CECTC/NCC/QC/3030-21

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limited**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Chandra Café to Kanti Sweets- LHS & RHS Ch:0.00 to 450.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{30}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.04.2021	03.05.2021	8.147	352.6	15.67
2	05.04.2021	03.05.2021	8.169	339.5	15.09
3	05.04.2021	03.05.2021	8.154	325.6	14.47

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Executive Engineer
Project Division
Yelahanka Zone - 92
Bengaluru

Reviewed

For CIVIL EXPERTS
Authorized Signature

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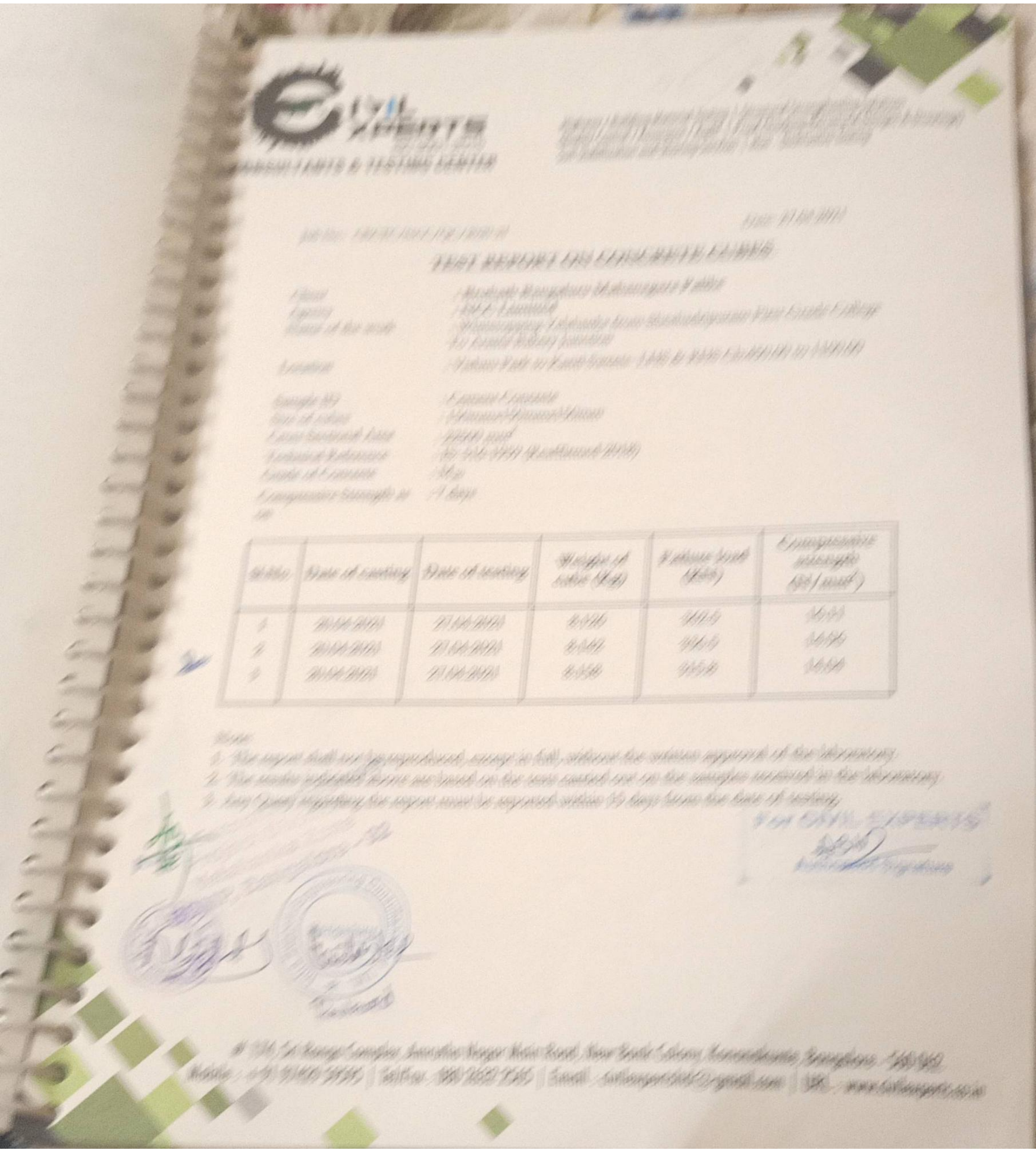

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CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Investigation & Audit
Building Control | Supervision | Audit | Road Safety Audit | Design & Drawings
Soil Investigation and Testing Services | Non - Destructive Testing

Date: 18.05.2021

Job No: CE/21/042/CE/0018

TEST REPORT ON CONCRETE CUBES

Client	: Brihath Bangalore Mahanagara Palike
Agency	: M/S. Limited
Name of the work	: Whitetopping Pavements from Shankadeguntte Road Cauvery Bridge to Hebbal Railway Junction
Location	: Outer Ring Road to Kanti Sweets, Link Rd to Nagawara Junction
Sample By	: Client
Type of cubes	: 150mm*150mm*150mm
Curing Sustained from	: 27/04/2021
Technical Reference	: Is: 516-1959 (Reaffirmed 2018)
Grade of Concrete	: M40
Compressive Strength at	: 28 days
on	

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm²)
1	20.04.2021	18.05.2021	8.226	445.5	19.80
2	20.04.2021	18.05.2021	8.261	521.6	23.18
3	20.04.2021	18.05.2021	8.269	478.5	21.27

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3. Any Query regarding the report must be reported within 15 days from the date of testing.

FOR CIVIL EXPERTS

Authorised Signatory

Reviewed

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Soil Stabilization and Shoring Services | Non - Destructive Testing

Date: 01.05.2021

Job No: CIVIL/NCC/QC/8030-21

TEST REPORT ON CONCRETE CUBES

Client	: **Bruhath Bangaluru Mahanagara Palike**
Agency	: **NCC Limited**
Name of the work	: Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location	: Vishnu Park to Kanti Sweets- LHS & RHS Ch:450.00 to 1100.00
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.04.2021	01.05.2021	8.196	362.5	16.11
2	24.04.2021	01.05.2021	8.145	341.5	15.18
3	24.04.2021	01.05.2021	8.136	356.2	15.83

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Job No: CECTC/NCC/QC/2020-21

Date: 22.05.2021

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Vishnu Park to Kanti Sweets- LHS & RHS Ch:450.00 to 1100.00

Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.04.2021	22.05.2021	8.263	456.5	20.29
2	24.04.2021	22.05.2021	8.241	496.8	22.08
3	24.04.2021	22.05.2021	8.263	536.5	23.84

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Executive Engineer, Project Division, BBMP, Bangalore - 92

For CIVIL EXPERTS
Authorised Signature

Infra Support Engineering Consultants Pvt. Ltd. Bengaluru

Reviewed

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Job No.: CECTC/NCC/QC/2020-21

Date: 04.05.2021

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Vishnu Park to Kanti Sweets- LHS & RHS Ch:450.00 to 1100.00
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 7 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2021	04.05.2021	8.196	362.5	16.11
2	27.04.2021	04.05.2021	8.152	332.6	14.78
3	27.04.2021	04.05.2021	8.147	341.0	15.16

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For CIVIL EXPERTS
Authorised Signature

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Job No.: CECTC/NCC/QC/2020-21

Date: 25.05.2021

TEST REPORT ON CONCRETE CUBES

Client : **Bruhath Bangaluru Mahanagara Palike**
Agency : **NCC Limitted**
Name of the work : Whitetopping Yelahanka from Sheshadripuram First Grade College To Arama Bakery Junction
Location : Vishnu Park to Kanti Sweets- LHS & RHS Ch:450.00 to 1100.00

Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2018)
Grade of Concrete : M_{20}
Compressive Strength as on : 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2021	25.05.2021	8.263	465.6	20.69
2	27.04.2021	25.05.2021	8.241	536.2	23.83
3	27.04.2021	25.05.2021	8.216	541.8	24.08

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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

For CIVIL EXPERTS
Authorised Signature

Intra Support Engineering Consultants Pvt. Ltd. Bengaluru

Reviewed

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